

**ENCAUSTIC, VENETIAN, and other PATENT TILES and MOSAIC PAVEMENTS** may be purchased at MITTON and Co.'s warehouses, 9, Abchurch-lane, Surrey side of Blackfriars-bridge, Wyatt, Parker, and Co. Agents. The above tiles have lately been considerably reduced in price.

N.B. An assortment of plain and ornamental door furniture, sashes, and tiles for fire-places, &c.

#### ORNAMENTAL TILES FOR COVERING BUILDINGS.

**ROBERT BROWNE'S** newly-invented CURVED ITALIAN TILES, for which invention the Society of Arts and Sciences awarded a medal. The Gothic Grooved Ridge Tile, with vertical ornaments, invented by R. B. in 1846; also a variety of plain Gothic Ridge Tiles adapted for tile or slate coverings; ornamental Plain Tiles of various patterns.

Tiles form in winter a warmer and in summer a cooler covering than slates or metal, and may be burnt of any desired colour. Address **ROBERT BROWN, Tile Works, Surbiton Hill, near Kingston, Surrey.**

#### DAVEY'S PATENT SLATE RIDGES

DAVEY'S PATENT SLATE RIDGES are very superior in appearance to lead, as well as more durable and much cheaper, and are admitted to be the most valuable articles for the purposes hitherto invented. They consist of two side pieces and a roll, either united together to form one solid piece, or in separate parts, and in lengths of from four to six feet. The roll is made of various sizes perfectly true, and in the strongest form of the slate. They may be purchased of the patentee, **W. DAVEY, Head Quay, Bath,** or of any slate dealer in London or the country. Parties ordering a large quantity of slates may procure these ridges at the cheapest rate from Mr. JAMES WYATT, Port Penarth, Glamorgan (where they are manufactured), of whom and of the patentee further particulars and prices may be obtained.—Be particular to order DAVEY'S Patent.

#### HIP TILES to suit slate roofs in colour;

Ridges, with plain or rebated joints, roll tops, and vertical ornaments; drains, made of slate, with plain or socket joints; paving in squares, hexagons, octagons, &c., different colours; roofing, in Green or Italian styles, other devices also, or plain; eadouts, which do not injure pure water; fire-bricks and tiles; chimneys, and out-door paving; sundry wall-coping, garden-borders, chimney-tops; also tubular and other uses of peculiar material. No agent, but a depot at 31, WHITEFRIARS-STREET, FLEET-STREET, LONDON, under Mr. PEAK'S personal care, to supply genuine TERRAZZO-METALLIC goods at fair prices as per quality; also, additional stock at No. 4 Wharf, Marshfield-street, South, City Basin.

THE TILES, TUNSTALL, STAFFORDSHIRE, are none the centre of England, whence boats are sent direct to any island place; or to the Mersey for the coast, the colonies, and elsewhere.

#### PAVING, 2s. 9d. PER SQUARE YARD

Basements, Footpaths, Mail-houses, Corn Stairs, Floors of Warehouses, and every description of pavement laid down at the above low price, and the work guaranteed.—Apply to JOHN PILKINGTON, POLONCEAU'S BITUMEN PAVEMENT OFFICE, 15, WHARF-ROAD, CITY-ROAD.—N.B. Country Agents and Railway Engineers and Contractors supplied with the best bitumen at 7s. 6d. per ton.

#### TO ARCHITECTS.

IN consequence of many complaints having been made to the Company, by Architects, of a spurious material having been used in the execution of Works where the SEYSSAL ASPHALT had been specified for the Directors, with a view to secure the fulfilment of any such specification, have authorized CERTIFICATES to be granted to Builders where the

#### SEYSSAL ASPHALT

has been used. For the purposes of securing the use of the Genuine Article, Architects and others are recommended to insert in their specifications the "Seyssal Asphalt, Claridge's Patent," and not merely "Asphalt," or "Bitumen," as in many cases where these terms have been used, gas-tar and other worthless and offensive compositions have been introduced. 1. FARRELL, Secretary, Stangate, near Westminster. Seyssal Asphalt Company, Bridge, Jan. 1843.

Books of Instructions for Use may be had at the Office of "The Builder," and of all Booksellers in Town and Country, price 1s.

As proof of the necessity of the above advertisement, it may be mentioned, that it has come to the knowledge of the Directors, that in certain works which have been executed by Messrs. CURTIS, Builders, of Somers, a spurious material has been used by them, contrary to the specifications, which expressly mentioned, that "Claridge's Asphalt" was to be used.

Also in the case of a work at Loughlin executed by Messrs. ROBERT and DANIEL YOUNG, of 10, Crown-street, Waltham-road, where Seyssal Asphalt was specified for, a spurious article was procured and laid down by them.

#### TO ARCHITECTS, BUILDERS, &c.

**GAS LAMPS, GAS BRACKETS, GAS PILLARS, BURNERS, &c.** In calling the attention of architects, builders, &c., to their assortment of Gas Furniture in general, C. DEKATZEN and SON respectfully announce they continue to fit up premises of every description on the most approved and newest system of gas fitting. An experience of forty years justifies us in making the above assertion.—P.M. Country orders attended to with dispatch. 10 and 11, Creed-lane, St. Paul's.

#### WALLIS'S PATENT LIQUID WOOD

**KNOTTING.**—This newly-discovered liquid composition which Messrs. G. and Thos. Wallis have the satisfaction of introducing to the trade, possesses the important qualification of effectually stopping Knots in Wood, however bad, and preventing them taking through and disfiguring the paint above.

Many substances have been used and much time spent in endeavouring to find a cure for a bad Knot, but hitherto without success. Messrs. Wallis therefore feel much pleasure in offering to the public an article so long and anxiously sought for.

In the application, skill is not required; it is put on to the work with a brush like common paint, can be used in all climates and situations, and does not require heat.

Sold wholesale and retail, by Messrs. G. and T. Wallis, Vauxhall, London, and Colour Manufacturers, No. 64, Long Acre. Price 7s. 6d. per gallon.

**IRON BRIDGES, PIERS, &c.** For the Numerical Explanation of Dr. PEARCE'S PRINCIPLES, see the "Mechanics Magazine," No. 1177.

**THIS** system removes from the Arch to the horizontal line the horizontal force of the whole Bridge, which makes the roadway as powerful as the arch itself, and the arch, with half the material, more than double its original power. The pressure on the key-stones of the arch is the horizontal force of a Bridge, which acts directly on that point as a dead load of self-destruction; and it is thrown down, within the last eighteen months, nearly sixty arches of Viaducts and Bridges.

**EXAMPLES.**—The Menai Bridge, whose depth is 1-14th of its length, and the suspended weight 800 tons, its horizontal force is 3,000 tons of self-destruction on the centre; hence it would require but a small portion of the material and cost of that bridge to construct one over the Menai Straits on this plan, that would possess far greater power and stability than the present structure.

This principle has been fully tested nearly ten years, by the construction of fifteen public bridges for the Government and others in Great Britain. It is also established in India. Bath, 3rd April, 1845.

#### SNOWELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS.

Manufactory, 95, Regent-street, and 131, Chancery-lane.

**THE** Patentee can confidently recommend these Shutters both for security and durability. The edges being sheathed with IRON, and the cost little more than common shutters, their construction is simple, that the largest establishment can be opened or closed in a few moments with the greatest possible ease without the use of machinery. Their superiority over other Revolving Shutters consists in being made without metal hinges, consequently cannot rust, break, or get out of order, and are equally safe. W. SNOWELL will have much pleasure in giving reference to numerous establishments where they are fixed, having on all occasions given the greatest satisfaction.

#### REDUCTION IN THE PRICE OF BUNNETT AND CORPE'S PATENT REVOLVING IRON SHUTTERS.

**THE** validity of this Patent being completely established, the Patentee has much pleasure in stating that the very extensive demand, and the employment of improved machinery in the manufacture, have given them an opportunity (of which they gratefully avail themselves) of making a considerable reduction in the price of this well-known and tried invention, thereby rendering them the cheapest as well as the best iron shutters in use. Every improvement suggested by practical skill and most extensive application has been adopted, and no effective REVOLVING IRON SHUTTER can be constructed without infringing B. and C.'s patent. The work and wheel, as patented by them, being the only safe, durable, and efficient mode of raising and lowering such shutters, these shutters can be applied horizontally, either above or below the window, or vertically, as introduced by BUNNETT and CORPE, in some of the largest establishments; they are made with bent or corrugated lathe, if required.

BUNNETT and CORPE also manufacture REVOLVING WOOD SHUTTERS,

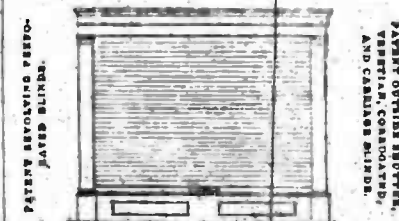
with their patent raising machinery, or with counterbalance weights, and with proper metal hinges, without which no shutters can be safe or durable.

BUNNETT and CORPE are likewise Patentees and Manufacturers of METALLIC SASH-BARS, MOULDINGS, &c. IN BRASS, COPPER, OR ZINC, FOR SHOP FRONTS, WINDOWS, SKYLIGHTS, AND VARIOUS OTHER PURPOSES.

Shop Fronts fitted in a superior manner, with Iron Shutters, Patent Brass or Zinc Sashes, Moulded Flagged Steel Board Fronts, best Plate Glass, and internal Brass Fittings of all kinds, on the most advantageous terms. Estimates given and contracts taken in Town or Country.—All kinds of metal works executed to any design. Metal Drawing, Rolling, and Stamping for the Trade. OFFICE, 20, LOMBARD-STREET, LONDON. WORKS, at DEPTFORD, KENT.

#### IMPROVED PATENT CONVEX IRON REVOLVING SAFETY SHUTTERS.

PATENT SAFETY IRON SLIDING SHUTTERS.



The attention of Architects, Builders, Hind Makers, and the Trade generally, is particularly requested to the **IMPORTANT** patented **IMPROVEMENTS** in the above enumerated Articles, and inspection invited, at the Manufactory of the Patentee, R. HOWARD and Co., 118, Old Street, London; or at the Licenses.

Engravings and Prospectuses may be had at the above address, or will be forwarded on application.

The great importance of **STRENGTH and SAFETY** in the latest of **REVOLVING IRON SHUTTERS**, when required for security, is so obvious, that it is only necessary to point out the fact that the **REVOLVING CONVEX LATHES** are **TWICE STRONGER** than the **ORDINARY FLAT LATHES** (as shown by the engravings and prospectuses), to secure their general adoption.

**CAUTION.**—The Patentee begs to caution all persons against Making or Using **SHUTTERS** for **REVOLVING IRON SAFETY SHUTTERS**, so as to obtain increased strength or stiffness; as they thereby render themselves liable to legal proceedings for infringing this patent. Licenses Granted.

**BUILDERS and the PUBLIC** about putting in **NEW WINDOWS** or altering old ones, should inspect **HEARING'S** new **PATENT SASH**, before they go to any expense, which is universally being adopted in Town and Country.—Exhibited daily at the Patentee, 10, Kingsgate-street, Holborn, also at **JOHNSON and PARKER**, Sash-makers.

#### SHOP FRONTS, SASHES AND FRAMES, DOORS, &c. MADE FOR THE TRADE.

**JOHNSON & PARKER, 1, ADELPHI STREET, Clerkenwell.**

Beg to state that they continue to make Sashes, complete, at 10s. 6d. per foot; also, Shop Fronts to any design, and with the best British plate-glass. Every description of joinery on the lowest terms, and of the best materials and workmanship.

A full list of prices forwarded by return of post to any part of the country.

#### DUTY OFF ORNAMENTAL WINDOW GLASS.

**CHARLES LONG** begs to inform his Friends and the Public, that he can now supply Ornamental Glass from 1s. 3d. per foot super, and borders from 9d. per foot, run; and having just built two of the largest Kiosks in London, is enabled to execute extensive Orders with unprecedented dispatch, 1, King-street, Portman-square.—Terms, Cash only.

#### BRITISH AND FOREIGN SHEET GLASS for Horticultural purposes, &c.

may be had at **JAMES BROMLEY'S**, 315, Oxford-street, London, at the following reduced prices:—

In trays containing about 350 feet, of course 13 in., at 44d. per foot, or fourth quality, 3d. per foot; ditto, 10 in. course, 3d. 1/2, ditto, fourth quality, 8d.; or cut to any size not exceeding 40 inches long by 10 inches wide at 4d. per foot extra. Also Microscopical Glass, French Shades, Plate and Crown Window Glass.—A discount to the trade.

#### TO THE PLATE GLASS TRADE.

**THE BIRMINGHAM PLATE AND CROWN GLASS COMPANY**, "Registered," beg to inform the Trade and Public, that the extension of their Works at Smethwick, near Birmingham, being now complete, their Warehouse, 141, Fleet-street, is now open for the Sale of their Crystal Plate Glass, which will be found to stand unrivalled by that of any other manufactory. They are also in a position to supply Rough Plate of any substance for Skylights or Floorings on the shortest notice.—Orders addressed to B. MOSS, 141, Fleet-street, will be promptly attended to.

SASHES primed, glazed, and sent to any part of London at 6d. per foot.

#### BUILDERS, PAINTERS, GLAZIERS, &c.

and others, supplied with every article used in the trade upon the best and lowest terms.

**FOREIGN SHEET** 14. per foot.

**BRITISH CROWN** 34. per foot.

Coloured, and Ornamental Glass, Flatted Crown, and Sheet Plate, for Shop Fronts, Show-cases, &c. The largest stock of cheap Glass in London for **HORTICULTURAL PURPOSES.**

Dry and Good Colours of the best quality; Brushes, Dyes, and every article used in the Trade Warranted.

**VARNISHES and GENUINE WHITE LEAD: MILLED LEAD IN SHEETS** 2s. per cwt.; Lead Pipe 3s. per cwt. Pumps, Water-closets, Basins, Brass-work, and all materials used by Plumbers.

For complete lists, please—Address to R. COGAN, WINDSOR GLASS LEAD and COLOUR WAREHOUSE, 5, Prince-street, Leicester-square, London.

#### WINDOW GLASS, LEAD, VARNISH, and COLOUR MANUFACTORY.

—Crown Window Glass, in squares under two feet, 4d. per foot; glazing, 5d. per foot; sheet glass, 6d. per foot; best white lead, 30s.; second, 28s.; third, 27s. per cwt.; ground oil, 7s. 6d.; linseed oil, 6s. 6d.; turpentine, 3s. 6d.; fine oak varnish, 10s.; carriage, 12s.; copal, 11s.; body copal, 10s.; gold leaf, 10s.; paper varnish, 10s.; linseed oil putty, 7s. 6d.; putty per brick; patent driers, 4s.; black paint, 7s.; lead colour, 14s.; Oxford ochre, 12s. per cwt.; best putty water-cement, 3s. complete; brass corks, 2s. 6d. each. Milled sheet lead, patent pipe, beer-machines, tapping-corks and brushes and colour of every description.—Thomas Milington, the manufacturer, can supply a much better article than most other houses. Address, **THOMAS MILLINGTON**, 87, Bishopsgate-street Without, London.—Established upwards of 50 years.

#### OHIO MELODISTS—ROYAL ACADEMY OF MUSIC.

**LAIDE GALLERY.**—Every evening at half-past Eight o'clock.—These admirable artists recognize to delight crowded houses by the droilery of their presentation of negro life. The Concert conducted by Mr. A. Sedgwick. Vocalists—Miss Stuart and Mr. Binger. Also the juvenile quartet, Miss Palmer and Master White. A large model of a new method, invented by Mr. Austin, for obtaining the difficulties of the Break of Gauge on Railways. Michael's Compromiser Air Railway, Lecture on Chemistry, Microscope, Hosiery, Vases and Chronoscopes daily. On Tuesday, Thursday, and Saturday, at Three o'clock, Major Bismarck's Lecture on Artificial Memory, and on Tuesday and Friday, a Lecture on Photography. Admission, 1s.

#### ROYAL POLYTECHNIC INSTITUTION.

**LECTURE.**—Dr. RYAN'S new and interesting Lecture on the Chemistry and Philosophy of Diving, at half-past three daily, and on the Evenings of Monday, Wednesday, and Friday. Prof. Bachmann's Lectures on Natural Philosophy, with brilliant experiments, daily. Macintosh's Revolving Engine, Coleman's Patent Locomotive Engine for ascending and descending inclined Railways, Hosiery, Air Railway, Lecture on Chemistry, Microscope, Hosiery, Vases and Chronoscopes daily. On Tuesday, Thursday, and Saturday, at Three o'clock, Major Bismarck's Lecture on Artificial Memory, and on Tuesday and Friday, a Lecture on Photography. Admission, 1s.